Service URL
Test Driver

https://demo-indigo4health.archimedesmodel.com/IndiGO4Health/IndiGO4Health
https://demo-indigo4health.archimedesmodel.com/

Category	Short Description	Type	Units	Schema Name
Required (I.e. not null)	Age	int	years	age
	Gender		M/F	gender
	Height	int	inches	height
	Weight	int	pounds	weight
	Current smoker	boolean		smoker
	Prior heart attack	boolean		mi
	Prior stroke	boolean		stroke
	Diabetes	boolean		diabetes
Inputs that must be requested in the UI, but are not required to be filled	Systolic blood pressure	int	mmHg	systolic
	Diastolic blood pressure	int	mmHg	diastolic
	Total cholesterol	int	mg/dL	cholesterol
	HDL	int	mg/dL	hdl
	LDL	int	mg/dL	ldl
	If diabetic, HbA1c	float	%	hba1c
Inputs that are optional to be requested in the UI	Cholesterol meds (yes, no)	boolean		cholesterolmeds
	Blood pressure meds (yes no)	boolean		bloodpressuremeds
	If yes Number of bp meds (integer 0-4+)	int		bloodpressuremedcount
	Do you take aspirin regularly (yes no)	boolean		aspirin
	Moderate exercise (hrs per week)	int		moderateexercise
	Vigorous exercise (hrs per week)	int		vigorousexercise
	Immediate family history of MI before age 55 (yes no)	boolean		familymihistory
	Tracking ID	GUID		trackingid

Validation   **Open Issues**

18 to 130

44 to 87
80 to 600

80 to 220

40 to 130
70 to 500
20 to 130
40 to 400
2 to 16

0, if no bp meds
1-4, if yes bp meds

0 to 60

0 to 30

People may be able to opt in to sending this field so
we can follow deidentified people over time. The app
developer would need to generate this randomly and
ensure that two people weren't sharing the same
phone for calculations.

Responses will be in a JSON format:

{"ErrorMessageHashMap":{"1":["Error Message 1","Error Message 2"],"2":["Error Message 3","Error Message 4"]},"Risk":[{"riskType":"CVD","risk":1.0,"riskPercentile":10,"comparisonRisk":20.0,"ratingForAge":30,"rating":40}, {"riskType":"LowerBoundCVD","risk":2.0,"riskPercentile":12,"comparisonRisk":22.0,"ratingForAge":32,"rating":42 },{"riskType":"UpperBoundCVD","risk":3.0,"riskPercentile":13,"comparisonRisk":23.0,"ratingForAge":33,"rating":4 3}],"Recommendation":"yes","Interventions":{"IncreaseInRisk":10.0,"RatingForAge":20,"PercentReductionInRisk WithMedication":30.0,"PercentReductionInRiskWithAdditionalModerateExercise":40.0,"PercentReductionInRisk

Returned in
ErrorMessageHashMap

Code	Meaning	Comments
0	Not Authorized	
1	Invalid/Unsupported Format: %s	
2	Required Field Missing: %s	
3	Server Error (500)	
4	Server Busy	
99	%s	Unspecified error, see text for details.

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There are some fields that we want to validate by comparing one field to another:
assert(systolic bp>diastolic bp)
assert(LDL + HDL < total cholesterol)

Valid requests must be submitted via a POST using the MIME type of application/x-www-form-urlencoded.

Requests to port 80 will fail with a 403 Forbidden message and direct the user to use port 443 (HTTPS).

Requests that are not POSTs will fail with a 405 Method Not Allowed message and notify the user that it only accepts POSTs.

POSTs to port 443 that do not include all required fields will fail with a 400 Bad Request message.

Values that are not expected are ignored.

Requests containing more key/value pairs than noted in the validation (+~~5~~6 for flexibility) will fail with a 413 Request Entity Too Large message.

Boolean values will accept a variety of values to represent true including case insensitive versions of T, TRUE, and 1. False is assumed otherwise.

Responses will be returned in JSON format.